

### Abstract of the Disclosure

Malatyl polysaccharides can be prepared from polysaccharides and cis-epoxy succinate or other epoxy carboxylic acids, wherein the carboxyl groups are maintained in this reaction. It is also possible to use derivatives of polysaccharides instead of native polysaccharides. The reaction makes possible the preparation of products with multi-variable properties. The malatyl polysaccharides can be used as thickening agents, complexing agents for cations or organic compounds, as ion exchangers for aqueous systems, as adjuvants in pharmaceutical applications, and as ingredients for hygiene articles.